

Data Validation Checklist Semivolatile Organic Analyses

Project: 35TH Avenue Superfund Site
 Laboratory: TestAmerica – Tampa, FL
 Method: SW-846 8270C Low-Level (PAH)
 Matrix: Soil
 Reviewer: Jane Lindsey
 Concurrence¹: Carol Lovett/Nicole Lancaster

Project No: 15268508.20000
 Job ID.: 680-88767-2
 Associated Samples: Refer to **Attachment A** (Sample Summary)
 Date(s) Collected: 03/26/2013
 Date: 04/10/2013
 Date: 04/24/2013

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were sample storage and preservation requirements met? If temperature >6°C, then J/UJ-flag results.	✓				
2. Were all COC records signed and integrity seals intact, indicating that COC was maintained for all samples?	✓				
3. Were there any problems noted in laboratory data package concerning condition of samples upon receipt?		✓			
4. Do any soil samples contain more than 50% water? If yes, then results are to be reported on a wet-weight basis.		✓			
5. Were holding times met (≤7 and 14 days from collection to extraction for aqueous and solid samples, respectively; ≤40 days from extraction to analysis)? If not, then J/UJ-flag sample results. If grossly (2x) exceeded, then flag J/R.	✓				
6. Were results for all project-specified target analytes reported?	✓				
7. Were project-specified Reporting Limits achieved for undiluted sample analyses?	✓				
8. Were samples with analyte concentrations exceeding the calibration range of the instrument re-analyzed at a higher dilution? If not, then J-flag sample result.			✓		
9. Was a method blank extracted with each batch (i.e., one per 20 samples, per batch, per matrix and per level)?	✓				
10. Were target analytes detected in the method blank?		✓			
11. Were target analytes detected in equipment/rinsate blanks?		✓		PAH were not detected during the analysis of rinsate blank 032613-RB-Shovel (680-88766-23).	

¹ Independent technical reviewer
 URS Group, Inc.
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Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
12. Are equipment/rinsate blanks associated with every sample? If no, note in DV report.	✓			According to the QAPP, a rinsate blank is to be collected after each decontamination event, which occurs once per week per the client. A rinsate blank (032613-RB-Shovel) was collected during the week of 03/25/2013. The rinsate blank was analyzed for PAHs under Test America Job ID 680-88766-2.	
13. Were analytes detected in samples below the blank contamination action level? If yes, U-flag positive sample results <5x associated blank concentration (10x for common blank contaminants – phthalates)			✓	Blank contamination does not exist.	
14. Is a field duplicate associated with this Job?	✓			<ul style="list-style-type: none"> CV0509T-CSD (680-88767-30) is a field duplicate of CV0509T-CS (680-88767-29). CV0509CC-CSD (680-88767-40) is a field duplicate of CV0509CC-CS (680-88767-39). 	
15. Was precision deemed acceptable as defined by the project plans?		✓		Refer to Attachment B (Field Duplicate Evaluation)	J
16. Were DFTPP ion abundance criteria (i.e., Table 3 of SW-846 8270C) met? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓			Alternate tuning criteria were used by the laboratory (i.e., EPA Method 525.2). All ion abundance criteria were met per EPA Method 525.2.	
17. Were samples analyzed within 12 hours of the DFTPP tune? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓				
18. Were initial and continuing calibration standards analyzed at the proper frequency for each instrument? <ul style="list-style-type: none"> Ensure that a minimum of five standards are used for the initial calibration. If no, use professional judgment to determine the effect on the data and note in the reviewer narrative. An initial calibration is to be associated with each sample analysis. A continuing calibration standard is to be analyzed for every 12 hours of sample analysis per instrument. 	✓			<ul style="list-style-type: none"> Initial Calibration: 04/02/2013, instrument BSMC5973 ICV: 04/02/2013 @ 15:34 CCV: 04/04/2013 @ 11:50 CCV: 04/05/2013 @ 12:15 CCV: 04/09/2013 @ 11:47 	
19. Were calibration results within laboratory/project specifications? <ul style="list-style-type: none"> ICAL (Criteria: ≤ 15 mean %RSD with individual CCC %RSD ≤ 30 ($\leq 50\%$ for poor performers), OR $r \geq 0.995$, OR $r^2 \geq 0.99$, and RRF ≥ 0.050 (≥ 0.010 for poor performers)): <ul style="list-style-type: none"> If %RSD > 15 ($> 50\%$ for poor performers), or $r < 0.995$, 		✓		ICV of 04/02/2013 @ 15:34, instrument BSMC5973: <ul style="list-style-type: none"> Pyrene @ -21.4%D (Lab: ≤ 35, Project: ≤ 20), 78.5%R Chrysene @ -23.5%D (Lab: ≤ 35, Project: ≤ 20), 76.5%R Benzo(b)fluoranthene @ -21.1%D (Lab: ≤ 35, 	J

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
or $r^2 < 0.995$, then J-flag positive results and UJ-flag non-detects <ul style="list-style-type: none"> If mean RRF < 0.050 (< 0.010 for poor performers), then J-flag positive results and R-flag non-detects ICV and CCV (Criteria: $\leq 20\%D$ ($\leq 50\%$ for poor performers) and $RF \geq 0.050$ (≥ 0.010 for poor performers)): <ul style="list-style-type: none"> If $\%D > 20$ ($> 50\%$ for poor performers), then J-flag positive results and UJ-flag non-detects If $RF < 0.050$ (< 0.010 for poor performers), then UJ-flag non-detected semivolatile target compounds 				Project: ≤ 20), 79%R <ul style="list-style-type: none"> Benzo(a)pyrene @ -24.3%D (Lab: ≤ 35, Project: ≤ 20), 75.5%R A negative bias is indicated by the ICV percent difference and the above-mentioned analytes were detected in all samples, therefore, J flag results.	
20. Was a LCS prepared for each batch and matrix?	✓				
21. Were LCS recoveries within lab control limits? If no, J-flag positive results when $\%R > \text{Upper Control Limit (UCL)}$ and J/R-flag results when $\%R < \text{Lower Control Limit (LCL)}$.	✓				
22. Were LCS/LCSD RPD within lab specifications? If no, J-flag positive results and UJ-flag non-detects			✓	LCS only	
23. Was a MS/MSD pair extracted at the proper frequency (one per 20 samples per batch)?	✓			<ul style="list-style-type: none"> Prep Batch 136072: 680-88767-14 (Batch sample), MS/MSD 	
24. Is the MS/MSD parent sample a project-specific sample?	✓	✓		<ul style="list-style-type: none"> Prep Batch 136083: 680-88767-21 (CV0509L-CS), MS/MSD Prep Batch 136087: 680-88767-41 (Batch sample), MS/MSD 	
25. Were MS/MSD recoveries within laboratory/project specifications? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i> <ul style="list-style-type: none"> If the native sample concentration $> 4x$ spiking level, then an evaluation of interference is not possible. If either MS or MSD recovery meets control limits, qualification of data is not warranted. MS and MSD $\%R < 10$: J and R Flag positive and ND results, respectively MS and MSD $\%R > 10$ and $< \text{LCL}$: J-Flag positive and UJ-flag non-detect results MS and MSD $R\% > \text{UCL}$ (or 140): J-Flag positive results 	✓				
26. Were laboratory criteria met for precision during the MS/MSD analysis? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i>	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<ul style="list-style-type: none"> If the native sample concentration > 4x spiking level, then an evaluation of interference is not possible. If %RPD > UCL, J-flag positive result and UJ-flag non-detect result. 					
27. Were surrogate recoveries within lab/project specifications? <ul style="list-style-type: none"> If %R <10, then J-flag positive and R-flag non-detect associated sample results If %R >UCL, then J-flag positive results %R ≥10%, but <LCL, then J-flag positive results and UJ-flag non-detect results If 1 %R >UCL and 1 %R ≥10%, but <LCL, then J-flag positive results and UJ-flag non-detect results 	✓				
28. Were internal standard (IS) results within lab/project specifications? <ul style="list-style-type: none"> If IS area counts are less than 50% of the midpoint calibration standard, then J-flag positive and UJ-flag non-detect associated sample results If IS area counts are greater than 100% of the midpoint calibration standard, then J-flag positive results If extremely low area counts are reported or performance exhibits a major abrupt drop-off, then a severe loss of sensitivity is indicated, J-flag positive and R-flag non-detect results If retention time of sample's internal standard is not within 30 seconds of the associated calibration standard, R-flag associated data. The chromatographic profile for that sample must be examined to determine if any false positives or negatives exists. For shifts of large magnitude, the reviewer may consider partial or total rejection of the data for that sample fraction. Positive results need not be qualified as R, if mass spectral criteria are met. 	✓				
29. Were lab comments included in report?	✓			Refer to Attachment C (Case Narrative)	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
Comments: The data validation was conducted in accordance with the <i>Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1</i> (OTIE, October 2012). The data review process was modeled after the <i>USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Organic Methods Data Review</i> (EPA, October 1999) and <i>USEPA CLP NFG for Low Concentration Organic Methods Data Review</i> (EPA, June 2001). Sample results have been qualified based on the results of the data review process (Attachment D). Criteria for acceptability of data were based upon available site information, analytical method requirements, guidance documents, and professional judgment.					

DV Flag Definitions:

J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
R	The sample results are unusable. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected above the associated level; blank contamination may exist.
UJ	The analyte was not detected above the limit, and the limit is approximate and may be inaccurate or imprecise.

ATTACHMENT A
SAMPLE SUMMARY

Sample Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-88767-2
SDG: 68088767-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-88767-21	CV0509L-CS	Solid	03/26/13 10:22	03/28/13 09:37
680-88767-22	CV0509M-CS	Solid	03/26/13 10:34	03/28/13 09:37
680-88767-23	CV0509N-CS	Solid	03/26/13 10:40	03/28/13 09:37
680-88767-24	CV0509O-CS	Solid	03/26/13 10:45	03/28/13 09:37
680-88767-25	CV0509P-CS	Solid	03/26/13 12:30	03/28/13 09:37
680-88767-26	CV0509Q-CS	Solid	03/26/13 13:00	03/28/13 09:37
680-88767-27	CV0509R-CS	Solid	03/26/13 13:05	03/28/13 09:37
680-88767-28	CV0509S-CS	Solid	03/26/13 13:15	03/28/13 09:37
680-88767-29	CV0509T-CS	Solid	03/26/13 13:20	03/28/13 09:37
680-88767-30	CV0509T-CSD	Solid	03/26/13 13:25	03/28/13 09:37
680-88767-31	CV0509U-CS	Solid	03/26/13 13:32	03/28/13 09:37
680-88767-32	CV0509V-CS	Solid	03/26/13 13:35	03/28/13 09:37
680-88767-33	CV0509W-CS	Solid	03/26/13 13:40	03/28/13 09:37
680-88767-34	CV0509X-CS	Solid	03/26/13 13:42	03/28/13 09:37
680-88767-35	CV0509Y-CS	Solid	03/26/13 14:10	03/28/13 09:37
680-88767-36	CV0509Z-CS	Solid	03/26/13 14:15	03/28/13 09:37
680-88767-37	CV0509AA-CS	Solid	03/26/13 14:20	03/28/13 09:37
680-88767-38	CV0509BB-CS	Solid	03/26/13 14:35	03/28/13 09:37
680-88767-39	CV0509CC-CS	Solid	03/26/13 14:46	03/28/13 09:37
680-88767-40	CV0509CC-CSD	Solid	03/26/13 14:48	03/28/13 09:37

ATTACHMENT B
FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results

Attachment B

Analyte	CV0509T-CS (680-88767-29)	RL	CV0509T-CSD (680-88767-30)	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Acenaphthene		150	260	J 510	µg/kg	1650	NA	260	660	None, absolute difference ≤ 2x Avg RL
Acenaphthylene		60	69	J 210	µg/kg	675	NA	69	270	None, absolute difference ≤ 2x Avg RL
Anthracene	65	13	540	43	µg/kg	140	NA	475	56	J/UJ-flag, absolute difference > 2x Avg RL
Benzo(a)anthracene	320	12	2200	41	µg/kg	132.5	149	NA	NA	J/UJ-flag, RPD > 50%
Benzo(a)pyrene	310	16	1700	53	µg/kg	172.5	138	NA	NA	J/UJ-flag, RPD > 50%
Benzo(b)fluoranthene	360	18	2800	63	µg/kg	202.5	154	NA	NA	J/UJ-flag, RPD > 50%
Benzo(g,h,i)perylene	160	30	1100	100	µg/kg	325	NA	940	130	J/UJ-flag, absolute difference > 2x Avg RL
Benzo(k)fluoranthene	210	12	1000	41	µg/kg	132.5	131	NA	NA	J/UJ-flag, RPD > 50%
Chrysene	300	14	2100	46	µg/kg	150	150	NA	NA	J/UJ-flag, RPD > 50%
Dibenzo(a,h)anthracene	44	30	330	100	µg/kg	325	NA	286	130	J/UJ-flag, absolute difference > 2x Avg RL
Fluoranthene	560	30	4400	100	µg/kg	325	155	NA	NA	J/UJ-flag, RPD > 50%
Fluorene	28	J 30	200	100	µg/kg	325	NA	172	130	J/UJ-flag, absolute difference > 2x Avg RL
Indeno(1,2,3-cd)pyrene	160	30	1200	100	µg/kg	325	NA	1040	130	J/UJ-flag, absolute difference > 2x Avg RL
1-Methylnaphthalene	45	J 60	230	210	µg/kg	675	NA	185	270	None, absolute difference ≤ 2x Avg RL
2-Methylnaphthalene	56	J 60	260	210	µg/kg	675	NA	204	270	None, absolute difference ≤ 2x Avg RL
Naphthalene	37	J 60	180	J 210	µg/kg	675	NA	143	270	None, absolute difference ≤ 2x Avg RL
Phenanthrene	260	12	2200	41	µg/kg	132.5	158	NA	NA	J/UJ-flag, RPD > 50%
Pyrene	450	30	3500	100	µg/kg	325	154	NA	NA	J/UJ-flag, RPD > 50%

Note: If the analyte was not detected, then the cell was left blank.

µg/kg - micrograms per kilogram

J - Estimated value

NA - Not applicable

RL - Reporting limit

RPD - Relative percent difference

UJ - Not detected and the limit is estimated

Precision is based on either the absolute difference between sample results or RPD. If the sample results are less than or equal to 5x's the RL, then precision is based on the absolute difference between duplicate results. If sample results >5x's RL, then precision is evaluated using RPD. J-Flag sample results whenever the absolute difference is greater than the RL (2x for soils) or the RPD >20% (50% for soil). Table above presents the results for detected analytes only.

Evaluation of Field Duplicate Results

Attachment B

Analyte	CV0509CC-CS (680-88767-39)	RL	CV0509CC-CSD (680-88767-40)	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Anthracene	71	41	57	41	µg/kg	205	NA	14	82	None, absolute difference ≤ 2x Avg RL
Benzo(a)anthracene	410	39	380	39	µg/kg	195	8	NA	NA	None, RPD ≤ 50%
Benzo(a)pyrene	330	51	340	51	µg/kg	255	3	NA	NA	None, RPD ≤ 50%
Benzo(b)fluoranthene	630	60	550	60	µg/kg	300	14	NA	NA	None, RPD ≤ 50%
Benzo(g,h,i)perylene	320	98	350	98	µg/kg	490	NA	30	196	None, absolute difference ≤ 2x Avg RL
Benzo(k)fluoranthene	170	39	220	39	µg/kg	195	NA	50	78	None, absolute difference ≤ 2x Avg RL
Chrysene	440	44	350	44	µg/kg	220	23	NA	NA	None, RPD ≤ 50%
Dibenzo(a,h)anthracene	110	98	120	98	µg/kg	490	NA	10	196	None, absolute difference ≤ 2x Avg RL
Fluoranthene	530	98	520	98	µg/kg	490	2	NA	NA	None, RPD ≤ 50%
Fluorene	26	J 98	30	J 98	µg/kg	490	NA	4	196	None, absolute difference ≤ 2x Avg RL
Indeno(1,2,3-cd)pyrene	250	98	220	98	µg/kg	490	NA	30	196	None, absolute difference ≤ 2x Avg RL
1-Methylnaphthalene	98	J 200	54	J 200	µg/kg	1000	NA	44	400	None, absolute difference ≤ 2x Avg RL
2-Methylnaphthalene	59	J 200	120	J 200	µg/kg	1000	NA	61	400	None, absolute difference ≤ 2x Avg RL
Naphthalene	93	J 200	71	J 200	µg/kg	1000	NA	22	400	None, absolute difference ≤ 2x Avg RL
Phenanthrene	340	39	300	39	µg/kg	195	13	NA	NA	None, RPD ≤ 50%
Pyrene	490	98	450	98	µg/kg	490	NA	40	196	None, absolute difference ≤ 2x Avg RL

Note: If the analyte was not detected, then the cell was left blank.

µg/kg - micrograms per kilogram

J - Estimated value

NA - Not applicable

RL - Reporting limit

RPD - Relative percent difference

UJ - Not detected and the limit is estimated

Precision is based on either the absolute difference between sample results or RPD. If the sample results are less than or equal to 5x's the RL, then precision is based on the absolute difference between duplicate results. If sample results >5x's RL, then precision is evaluated using RPD. J-Flag sample results whenever the absolute difference is greater than the RL (2x for soils) or the RPD >20% (50% for soil). Table above presents the results for detected analytes only.

ATTACHMENT C
CASE NARRATIVE

Case Narrative

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-88767-2
SDG: 68088767-2

Job ID: 680-88767-2

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-88767-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 03/28/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.4 C.

SEMIVOLATILE ORGANIC COMPOUNDS BY GCMS - LOW LEVEL

Samples CV0509L-CS (680-88767-21), CV0509M-CS (680-88767-22), CV0509N-CS (680-88767-23), CV0509O-CS (680-88767-24), CV0509P-CS (680-88767-25), CV0509Q-CS (680-88767-26), CV0509R-CS (680-88767-27), CV0509S-CS (680-88767-28), CV0509T-CS (680-88767-29), CV0509T-CSD (680-88767-30), CV0509U-CS (680-88767-31), CV0509V-CS (680-88767-32), CV0509W-CS (680-88767-33), CV0509X-CS (680-88767-34), CV0509Y-CS (680-88767-35), CV0509Z-CS (680-88767-36), CV0509AA-CS (680-88767-37), CV0509BB-CS (680-88767-38), CV0509CC-CS (680-88767-39) and CV0509CC-CSD (680-88767-40) were analyzed for Semivolatile Organic Compounds by GCMS - Low Level in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/03/2013 and analyzed on 04/04/2013, 04/05/2013 and 04/09/2013.

Samples CV0509M-CS (680-88767-22)[4X], CV0509T-CSD (680-88767-30)[4X], CV0509U-CS (680-88767-31)[4X], CV0509X-CS (680-88767-34)[4X], CV0509Y-CS (680-88767-35)[4X], CV0509AA-CS (680-88767-37)[4X], CV0509BB-CS (680-88767-38)[4X], CV0509CC-CS (680-88767-39)[4X] and CV0509CC-CSD (680-88767-40)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the SVOAs analyses.

All quality control parameters were within the acceptance limits.

ATTACHMENT D
QUALIFIED SAMPLE RESULTS

Client Sample Results

Client: Onida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-88767-2
SDG: 68088767-2

Client Sample ID: CV0509L-CS

Lab Sample ID: 680-88767-21

Date Collected: 03/26/13 10:22

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 72.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	U	140	27	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Acenaphthylene	13	J	55	6.9	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Anthracene	43		12	5.8	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Benzo[a]anthracene	260		11	5.4	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Benzo[a]pyrene	240	J	14	7.1	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Benzo[b]fluoranthene	320	J	17	8.4	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Benzo[g,h,i]perylene	200		27	6.0	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Benzo[k]fluoranthene	160		11	4.9	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Chrysene	240	J	12	6.2	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Dibenz(a,h)anthracene	58		27	5.6	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Fluoranthene	440		27	5.5	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Fluorene	9.8	J	27	5.6	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Indeno[1,2,3-cd]pyrene	160		27	9.7	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
1-Methylnaphthalene	33	J	55	6.0	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
2-Methylnaphthalene	29	J	55	9.7	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Naphthalene	20	J	55	6.0	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Phenanthrene	180		11	5.4	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Pyrene	350	J	27	5.1	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Surrogate	%Recovery	Qualifier	Limits						
o-Terphenyl	71		30 - 130						
							Prepared	Analyzed	Dil Fac
							04/03/13 13:44	04/04/13 13:03	1

Client Sample ID: CV0509M-CS

Lab Sample ID: 680-88767-22

Date Collected: 03/26/13 10:34

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 82.1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	490	U	490	98	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Acenaphthylene	30	J	200	24	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Anthracene	100		41	21	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Benzo[a]anthracene	460		39	19	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Benzo[a]pyrene	340	J	51	25	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Benzo[b]fluoranthene	600	J	60	30	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Benzo[g,h,i]perylene	280		98	22	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Benzo[k]fluoranthene	280		39	18	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Chrysene	440	J	44	22	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Dibenz(a,h)anthracene	82	J	98	20	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Fluoranthene	670		98	20	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Fluorene	28	J	98	20	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Indeno[1,2,3-cd]pyrene	310		98	35	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
1-Methylnaphthalene	100	J	200	22	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
2-Methylnaphthalene	100	J	200	35	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Naphthalene	110	J	200	22	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Phenanthrene	390		39	19	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Pyrene	590	J	98	18	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Surrogate	%Recovery	Qualifier	Limits						
o-Terphenyl	115		30 - 130						
							Prepared	Analyzed	Dil Fac
							04/03/13 11:18	04/04/13 21:19	4

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-88767-2
SDG: 68088767-2

Client Sample ID: CV0509N-CS

Lab Sample ID: 680-88767-23

Date Collected: 03/26/13 10:40

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 72.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	U	140	28	ug/Kg	☆	04/03/13 11:18	04/04/13 21:37	1
Acenaphthylene	9.2	J	55	6.9	ug/Kg	☆	04/03/13 11:18	04/04/13 21:37	1
Anthracene	19		12	5.8	ug/Kg	☆	04/03/13 11:18	04/04/13 21:37	1
Benzo[a]anthracene	110		11	5.4	ug/Kg	☆	04/03/13 11:18	04/04/13 21:37	1
Benzo[a]pyrene	76	J	14	7.2	ug/Kg	☆	04/03/13 11:18	04/04/13 21:37	1
Benzo[b]fluoranthene	120	J	17	8.4	ug/Kg	☆	04/03/13 11:18	04/04/13 21:37	1
Benzo[g,h,i]perylene	62		28	6.1	ug/Kg	☆	04/03/13 11:18	04/04/13 21:37	1
Benzo[k]fluoranthene	64		11	5.0	ug/Kg	☆	04/03/13 11:18	04/04/13 21:37	1
Chrysene	120	J	12	6.2	ug/Kg	☆	04/03/13 11:18	04/04/13 21:37	1
Dibenz(a,h)anthracene	21	J	28	5.7	ug/Kg	☆	04/03/13 11:18	04/04/13 21:37	1
Fluoranthene	140		28	5.5	ug/Kg	☆	04/03/13 11:18	04/04/13 21:37	1
Fluorene	10	J	28	5.7	ug/Kg	☆	04/03/13 11:18	04/04/13 21:37	1
Indeno[1,2,3-cd]pyrene	46		28	9.8	ug/Kg	☆	04/03/13 11:18	04/04/13 21:37	1
1-Methylnaphthalene	62		55	6.1	ug/Kg	☆	04/03/13 11:18	04/04/13 21:37	1
2-Methylnaphthalene	56		55	9.8	ug/Kg	☆	04/03/13 11:18	04/04/13 21:37	1
Naphthalene	60		55	6.1	ug/Kg	☆	04/03/13 11:18	04/04/13 21:37	1
Phenanthrene	88		11	5.4	ug/Kg	☆	04/03/13 11:18	04/04/13 21:37	1
Pyrene	130	J	28	5.1	ug/Kg	☆	04/03/13 11:18	04/04/13 21:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	59		30 - 130				04/03/13 11:18	04/04/13 21:37	1

Client Sample ID: CV0509O-CS

Lab Sample ID: 680-88767-24

Date Collected: 03/26/13 10:45

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 65.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	73	J	150	30	ug/Kg	☆	04/03/13 11:18	04/04/13 21:56	1
Acenaphthylene	37	J	59	7.4	ug/Kg	☆	04/03/13 11:18	04/04/13 21:56	1
Anthracene	140		12	6.2	ug/Kg	☆	04/03/13 11:18	04/04/13 21:56	1
Benzo[a]anthracene	520		12	5.8	ug/Kg	☆	04/03/13 11:18	04/04/13 21:56	1
Benzo[a]pyrene	450	J	15	7.7	ug/Kg	☆	04/03/13 11:18	04/04/13 21:56	1
Benzo[b]fluoranthene	770	J	18	9.0	ug/Kg	☆	04/03/13 11:18	04/04/13 21:56	1
Benzo[g,h,i]perylene	260		30	6.5	ug/Kg	☆	04/03/13 11:18	04/04/13 21:56	1
Benzo[k]fluoranthene	250		12	5.3	ug/Kg	☆	04/03/13 11:18	04/04/13 21:56	1
Chrysene	540	J	13	6.7	ug/Kg	☆	04/03/13 11:18	04/04/13 21:56	1
Dibenz(a,h)anthracene	96		30	6.1	ug/Kg	☆	04/03/13 11:18	04/04/13 21:56	1
Fluoranthene	1100		30	5.9	ug/Kg	☆	04/03/13 11:18	04/04/13 21:56	1
Fluorene	81		30	6.1	ug/Kg	☆	04/03/13 11:18	04/04/13 21:56	1
Indeno[1,2,3-cd]pyrene	290		30	11	ug/Kg	☆	04/03/13 11:18	04/04/13 21:56	1
1-Methylnaphthalene	160		59	6.5	ug/Kg	☆	04/03/13 11:18	04/04/13 21:56	1
2-Methylnaphthalene	160		59	11	ug/Kg	☆	04/03/13 11:18	04/04/13 21:56	1
Naphthalene	130		59	6.5	ug/Kg	☆	04/03/13 11:18	04/04/13 21:56	1
Phenanthrene	740		12	5.8	ug/Kg	☆	04/03/13 11:18	04/04/13 21:56	1
Pyrene	910	J	30	5.5	ug/Kg	☆	04/03/13 11:18	04/04/13 21:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	71		30 - 130				04/03/13 11:18	04/04/13 21:56	1

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-88767-2
SDG: 68088767-2

Client Sample ID: CV0509P-CS

Lab Sample ID: 680-88767-25

Date Collected: 03/26/13 12:30

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 62.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	47	J	160	32	ug/Kg	*	04/03/13 11:18	04/04/13 22:14	1
Acenaphthylene	21	J	64	8.0	ug/Kg	*	04/03/13 11:18	04/04/13 22:14	1
Anthracene	76		13	6.7	ug/Kg	*	04/03/13 11:18	04/04/13 22:14	1
Benzo[a]anthracene	250		13	6.2	ug/Kg	*	04/03/13 11:18	04/04/13 22:14	1
Benzo[a]pyrene	200	J	17	8.3	ug/Kg	*	04/03/13 11:18	04/04/13 22:14	1
Benzo[b]fluoranthene	340	J	20	9.8	ug/Kg	*	04/03/13 11:18	04/04/13 22:14	1
Benzo[g,h,i]perylene	160		32	7.0	ug/Kg	*	04/03/13 11:18	04/04/13 22:14	1
Benzo[k]fluoranthene	110		13	5.8	ug/Kg	*	04/03/13 11:18	04/04/13 22:14	1
Chrysene	240	J	14	7.2	ug/Kg	*	04/03/13 11:18	04/04/13 22:14	1
Dibenz(a,h)anthracene	49		32	6.6	ug/Kg	*	04/03/13 11:18	04/04/13 22:14	1
Fluoranthene	470		32	6.4	ug/Kg	*	04/03/13 11:18	04/04/13 22:14	1
Fluorene	32		32	6.6	ug/Kg	*	04/03/13 11:18	04/04/13 22:14	1
Indeno[1,2,3-cd]pyrene	140		32	11	ug/Kg	*	04/03/13 11:18	04/04/13 22:14	1
1-Methylnaphthalene	61	J	64	7.0	ug/Kg	*	04/03/13 11:18	04/04/13 22:14	1
2-Methylnaphthalene	51	J	64	11	ug/Kg	*	04/03/13 11:18	04/04/13 22:14	1
Naphthalene	55	J	64	7.0	ug/Kg	*	04/03/13 11:18	04/04/13 22:14	1
Phenanthrene	320		13	6.2	ug/Kg	*	04/03/13 11:18	04/04/13 22:14	1
Pyrene	370	J	32	5.9	ug/Kg	*	04/03/13 11:18	04/04/13 22:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	66		30 - 130				04/03/13 11:18	04/04/13 22:14	1

Client Sample ID: CV0509Q-CS

Lab Sample ID: 680-88767-26

Date Collected: 03/26/13 13:00

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 71.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	U	140	28	ug/Kg	*	04/03/13 11:18	04/04/13 22:33	1
Acenaphthylene	56	U	56	7.0	ug/Kg	*	04/03/13 11:18	04/04/13 22:33	1
Anthracene	11	J*	12	5.9	ug/Kg	*	04/03/13 11:18	04/04/13 22:33	1
Benzo[a]anthracene	86		11	5.4	ug/Kg	*	04/03/13 11:18	04/04/13 22:33	1
Benzo[a]pyrene	62	J	15	7.3	ug/Kg	*	04/03/13 11:18	04/04/13 22:33	1
Benzo[b]fluoranthene	93	J	17	8.5	ug/Kg	*	04/03/13 11:18	04/04/13 22:33	1
Benzo[g,h,i]perylene	43		28	6.1	ug/Kg	*	04/03/13 11:18	04/04/13 22:33	1
Benzo[k]fluoranthene	24		11	5.0	ug/Kg	*	04/03/13 11:18	04/04/13 22:33	1
Chrysene	77	J	13	6.3	ug/Kg	*	04/03/13 11:18	04/04/13 22:33	1
Dibenz(a,h)anthracene	8.6	J	28	5.7	ug/Kg	*	04/03/13 11:18	04/04/13 22:33	1
Fluoranthene	110		28	5.6	ug/Kg	*	04/03/13 11:18	04/04/13 22:33	1
Fluorene	6.9	J	28	5.7	ug/Kg	*	04/03/13 11:18	04/04/13 22:33	1
Indeno[1,2,3-cd]pyrene	42		28	9.9	ug/Kg	*	04/03/13 11:18	04/04/13 22:33	1
1-Methylnaphthalene	16	J	56	6.1	ug/Kg	*	04/03/13 11:18	04/04/13 22:33	1
2-Methylnaphthalene	22	J	56	9.9	ug/Kg	*	04/03/13 11:18	04/04/13 22:33	1
Naphthalene	25	J	56	6.1	ug/Kg	*	04/03/13 11:18	04/04/13 22:33	1
Phenanthrene	69		11	5.4	ug/Kg	*	04/03/13 11:18	04/04/13 22:33	1
Pyrene	110	J	28	5.2	ug/Kg	*	04/03/13 11:18	04/04/13 22:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	62		30 - 130				04/03/13 11:18	04/04/13 22:33	1

*Flagging error, NL 04-19-13; Laboratory J-flag applies

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-88767-2
SDG: 68088767-2

Client Sample ID: CV0509R-CS

Lab Sample ID: 680-88767-27

Date Collected: 03/26/13 13:05

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 74.6

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	27	ug/Kg	☆	04/03/13 11:18	04/04/13 22:51	1
Acenaphthylene	8.0	J	53	6.7	ug/Kg	☆	04/03/13 11:18	04/04/13 22:51	1
Anthracene	22		11	5.6	ug/Kg	☆	04/03/13 11:18	04/04/13 22:51	1
Benzo[a]anthracene	150		11	5.2	ug/Kg	☆	04/03/13 11:18	04/04/13 22:51	1
Benzo[a]pyrene	120	J	14	7.0	ug/Kg	☆	04/03/13 11:18	04/04/13 22:51	1
Benzo[b]fluoranthene	160	J	16	8.2	ug/Kg	☆	04/03/13 11:18	04/04/13 22:51	1
Benzo[g,h,i]perylene	89		27	5.9	ug/Kg	☆	04/03/13 11:18	04/04/13 22:51	1
Benzo[k]fluoranthene	95		11	4.8	ug/Kg	☆	04/03/13 11:18	04/04/13 22:51	1
Chrysene	130	J	12	6.0	ug/Kg	☆	04/03/13 11:18	04/04/13 22:51	1
Dibenz(a,h)anthracene	33		27	5.5	ug/Kg	☆	04/03/13 11:18	04/04/13 22:51	1
Fluoranthene	220		27	5.3	ug/Kg	☆	04/03/13 11:18	04/04/13 22:51	1
Fluorene	12	J	27	5.5	ug/Kg	☆	04/03/13 11:18	04/04/13 22:51	1
Indeno[1,2,3-cd]pyrene	80		27	9.5	ug/Kg	☆	04/03/13 11:18	04/04/13 22:51	1
1-Methylnaphthalene	18	J	53	5.9	ug/Kg	☆	04/03/13 11:18	04/04/13 22:51	1
2-Methylnaphthalene	37	J	53	9.5	ug/Kg	☆	04/03/13 11:18	04/04/13 22:51	1
Naphthalene	28	J	53	5.9	ug/Kg	☆	04/03/13 11:18	04/04/13 22:51	1
Phenanthrene	130		11	5.2	ug/Kg	☆	04/03/13 11:18	04/04/13 22:51	1
Pyrene	200	J	27	4.9	ug/Kg	☆	04/03/13 11:18	04/04/13 22:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	69		30 - 130				04/03/13 11:18	04/04/13 22:51	1

Client Sample ID: CV0509S-CS

Lab Sample ID: 680-88767-28

Date Collected: 03/26/13 13:15

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 70.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	U	140	27	ug/Kg	☆	04/03/13 11:18	04/04/13 23:09	1
Acenaphthylene	11	J	55	6.8	ug/Kg	☆	04/03/13 11:18	04/04/13 23:09	1
Anthracene	24		12	5.8	ug/Kg	☆	04/03/13 11:18	04/04/13 23:09	1
Benzo[a]anthracene	140		11	5.3	ug/Kg	☆	04/03/13 11:18	04/04/13 23:09	1
Benzo[a]pyrene	110	J	14	7.1	ug/Kg	☆	04/03/13 11:18	04/04/13 23:09	1
Benzo[b]fluoranthene	160	J	17	8.4	ug/Kg	☆	04/03/13 11:18	04/04/13 23:09	1
Benzo[g,h,i]perylene	63		27	6.0	ug/Kg	☆	04/03/13 11:18	04/04/13 23:09	1
Benzo[k]fluoranthene	67		11	4.9	ug/Kg	☆	04/03/13 11:18	04/04/13 23:09	1
Chrysene	100	J	12	6.2	ug/Kg	☆	04/03/13 11:18	04/04/13 23:09	1
Dibenz(a,h)anthracene	28		27	5.6	ug/Kg	☆	04/03/13 11:18	04/04/13 23:09	1
Fluoranthene	230		27	5.5	ug/Kg	☆	04/03/13 11:18	04/04/13 23:09	1
Fluorene	8.8	J	27	5.6	ug/Kg	☆	04/03/13 11:18	04/04/13 23:09	1
Indeno[1,2,3-cd]pyrene	62		27	9.7	ug/Kg	☆	04/03/13 11:18	04/04/13 23:09	1
1-Methylnaphthalene	11	J	55	6.0	ug/Kg	☆	04/03/13 11:18	04/04/13 23:09	1
2-Methylnaphthalene	12	J	55	9.7	ug/Kg	☆	04/03/13 11:18	04/04/13 23:09	1
Naphthalene	16	J	55	6.0	ug/Kg	☆	04/03/13 11:18	04/04/13 23:09	1
Phenanthrene	91		11	5.3	ug/Kg	☆	04/03/13 11:18	04/04/13 23:09	1
Pyrene	180	J	27	5.1	ug/Kg	☆	04/03/13 11:18	04/04/13 23:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	64		30 - 130				04/03/13 11:18	04/04/13 23:09	1

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-88767-2
SDG: 68088767-2

Client Sample ID: CV0509T-CS

Lab Sample ID: 680-88767-29

Date Collected: 03/26/13 13:20

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 66.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	150	U	150	30	ug/Kg	☆	04/03/13 13:44	04/04/13 14:35	1
Acenaphthylene	60	U	60	7.6	ug/Kg	☆	04/03/13 13:44	04/04/13 14:35	1
Anthracene	65	J	13	6.3	ug/Kg	☆	04/03/13 13:44	04/04/13 14:35	1
Benzo[a]anthracene	320	J	12	5.9	ug/Kg	☆	04/03/13 13:44	04/04/13 14:35	1
Benzo[a]pyrene	310	J	16	7.9	ug/Kg	☆	04/03/13 13:44	04/04/13 14:35	1
Benzo[b]fluoranthene	360	J	18	9.2	ug/Kg	☆	04/03/13 13:44	04/04/13 14:35	1
Benzo[g,h,i]perylene	160	J	30	6.6	ug/Kg	☆	04/03/13 13:44	04/04/13 14:35	1
Benzo[k]fluoranthene	210	J	12	5.4	ug/Kg	☆	04/03/13 13:44	04/04/13 14:35	1
Chrysene	300	J	14	6.8	ug/Kg	☆	04/03/13 13:44	04/04/13 14:35	1
Dibenz(a,h)anthracene	44	J	30	6.2	ug/Kg	☆	04/03/13 13:44	04/04/13 14:35	1
Fluoranthene	560	J	30	6.0	ug/Kg	☆	04/03/13 13:44	04/04/13 14:35	1
Fluorene	28	J	30	6.2	ug/Kg	☆	04/03/13 13:44	04/04/13 14:35	1
Indeno[1,2,3-cd]pyrene	160	J	30	11	ug/Kg	☆	04/03/13 13:44	04/04/13 14:35	1
1-Methylnaphthalene	45	J	60	6.6	ug/Kg	☆	04/03/13 13:44	04/04/13 14:35	1
2-Methylnaphthalene	56	J	60	11	ug/Kg	☆	04/03/13 13:44	04/04/13 14:35	1
Naphthalene	37	J	60	6.6	ug/Kg	☆	04/03/13 13:44	04/04/13 14:35	1
Phenanthrene	260	J	12	5.9	ug/Kg	☆	04/03/13 13:44	04/04/13 14:35	1
Pyrene	450	J	30	5.6	ug/Kg	☆	04/03/13 13:44	04/04/13 14:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	80		30 - 130				04/03/13 13:44	04/04/13 14:35	1

Client Sample ID: CV0509T-CSD

Lab Sample ID: 680-88767-30

Date Collected: 03/26/13 13:25

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 77.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	260	J	510	100	ug/Kg	☆	04/03/13 13:44	04/04/13 14:53	4
Acenaphthylene	69	J	210	26	ug/Kg	☆	04/03/13 13:44	04/04/13 14:53	4
Anthracene	540	J	43	22	ug/Kg	☆	04/03/13 13:44	04/04/13 14:53	4
Benzo[a]anthracene	2200	J	41	20	ug/Kg	☆	04/03/13 13:44	04/04/13 14:53	4
Benzo[a]pyrene	1700	J	53	27	ug/Kg	☆	04/03/13 13:44	04/04/13 14:53	4
Benzo[b]fluoranthene	2800	J	63	31	ug/Kg	☆	04/03/13 13:44	04/04/13 14:53	4
Benzo[g,h,i]perylene	1100	J	100	23	ug/Kg	☆	04/03/13 13:44	04/04/13 14:53	4
Benzo[k]fluoranthene	1000	J	41	19	ug/Kg	☆	04/03/13 13:44	04/04/13 14:53	4
Chrysene	2100	J	46	23	ug/Kg	☆	04/03/13 13:44	04/04/13 14:53	4
Dibenz(a,h)anthracene	330	J	100	21	ug/Kg	☆	04/03/13 13:44	04/04/13 14:53	4
Fluoranthene	4400	J	100	21	ug/Kg	☆	04/03/13 13:44	04/04/13 14:53	4
Fluorene	200	J	100	21	ug/Kg	☆	04/03/13 13:44	04/04/13 14:53	4
Indeno[1,2,3-cd]pyrene	1200	J	100	36	ug/Kg	☆	04/03/13 13:44	04/04/13 14:53	4
1-Methylnaphthalene	230	J	210	23	ug/Kg	☆	04/03/13 13:44	04/04/13 14:53	4
2-Methylnaphthalene	260	J	210	36	ug/Kg	☆	04/03/13 13:44	04/04/13 14:53	4
Naphthalene	180	J	210	23	ug/Kg	☆	04/03/13 13:44	04/04/13 14:53	4
Phenanthrene	2200	J	41	20	ug/Kg	☆	04/03/13 13:44	04/04/13 14:53	4
Pyrene	3500	J	100	19	ug/Kg	☆	04/03/13 13:44	04/04/13 14:53	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	100		30 - 130				04/03/13 13:44	04/04/13 14:53	4

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-88767-2
SDG: 68088767-2

Client Sample ID: CV0509U-CS

Lab Sample ID: 680-88767-31

Date Collected: 03/26/13 13:32

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 82.6

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	470	U	470	94	ug/Kg	☆	04/03/13 15:12	04/05/13 14:07	4
Acenaphthylene	39	J	190	24	ug/Kg	☆	04/03/13 15:12	04/05/13 14:07	4
Anthracene	57		40	20	ug/Kg	☆	04/03/13 15:12	04/05/13 14:07	4
Benzo[a]anthracene	430		38	18	ug/Kg	☆	04/03/13 15:12	04/05/13 14:07	4
Benzo[a]pyrene	400	J	49	25	ug/Kg	☆	04/03/13 15:12	04/05/13 14:07	4
Benzo[b]fluoranthene	640	J	58	29	ug/Kg	☆	04/03/13 15:12	04/05/13 14:07	4
Benzo[g,h,i]perylene	340		94	21	ug/Kg	☆	04/03/13 15:12	04/05/13 14:07	4
Benzo[k]fluoranthene	230		38	17	ug/Kg	☆	04/03/13 15:12	04/05/13 14:07	4
Chrysene	400	J	42	21	ug/Kg	☆	04/03/13 15:12	04/05/13 14:07	4
Dibenz(a,h)anthracene	130		94	19	ug/Kg	☆	04/03/13 15:12	04/05/13 14:07	4
Fluoranthene	620		94	19	ug/Kg	☆	04/03/13 15:12	04/05/13 14:07	4
Fluorene	33	J	94	19	ug/Kg	☆	04/03/13 15:12	04/05/13 14:07	4
Indeno[1,2,3-cd]pyrene	280		94	34	ug/Kg	☆	04/03/13 15:12	04/05/13 14:07	4
1-Methylnaphthalene	52	J	190	21	ug/Kg	☆	04/03/13 15:12	04/05/13 14:07	4
2-Methylnaphthalene	74	J	190	34	ug/Kg	☆	04/03/13 15:12	04/05/13 14:07	4
Naphthalene	70	J	190	21	ug/Kg	☆	04/03/13 15:12	04/05/13 14:07	4
Phenanthrene	400		38	18	ug/Kg	☆	04/03/13 15:12	04/05/13 14:07	4
Pyrene	510	J	94	17	ug/Kg	☆	04/03/13 15:12	04/05/13 14:07	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	104		30 - 130				04/03/13 15:12	04/05/13 14:07	4

Client Sample ID: CV0509V-CS

Lab Sample ID: 680-88767-32

Date Collected: 03/26/13 13:35

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 70.6

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	28	J	140	28	ug/Kg	☆	04/03/13 15:12	04/05/13 14:26	1
Acenaphthylene	14	J	56	6.9	ug/Kg	☆	04/03/13 15:12	04/05/13 14:26	1
Anthracene	64		12	5.8	ug/Kg	☆	04/03/13 15:12	04/05/13 14:26	1
Benzo[a]anthracene	330		11	5.4	ug/Kg	☆	04/03/13 15:12	04/05/13 14:26	1
Benzo[a]pyrene	260	J	14	7.2	ug/Kg	☆	04/03/13 15:12	04/05/13 14:26	1
Benzo[b]fluoranthene	410	J	17	8.5	ug/Kg	☆	04/03/13 15:12	04/05/13 14:26	1
Benzo[g,h,i]perylene	190		28	6.1	ug/Kg	☆	04/03/13 15:12	04/05/13 14:26	1
Benzo[k]fluoranthene	150		11	5.0	ug/Kg	☆	04/03/13 15:12	04/05/13 14:26	1
Chrysene	310	J	12	6.2	ug/Kg	☆	04/03/13 15:12	04/05/13 14:26	1
Dibenz(a,h)anthracene	60		28	5.7	ug/Kg	☆	04/03/13 15:12	04/05/13 14:26	1
Fluoranthene	690		28	5.6	ug/Kg	☆	04/03/13 15:12	04/05/13 14:26	1
Fluorene	27	J	28	5.7	ug/Kg	☆	04/03/13 15:12	04/05/13 14:26	1
Indeno[1,2,3-cd]pyrene	180		28	9.9	ug/Kg	☆	04/03/13 15:12	04/05/13 14:26	1
1-Methylnaphthalene	31	J	56	6.1	ug/Kg	☆	04/03/13 15:12	04/05/13 14:26	1
2-Methylnaphthalene	42	J	56	9.9	ug/Kg	☆	04/03/13 15:12	04/05/13 14:26	1
Naphthalene	42	J	56	6.1	ug/Kg	☆	04/03/13 15:12	04/05/13 14:26	1
Phenanthrene	430		11	5.4	ug/Kg	☆	04/03/13 15:12	04/05/13 14:26	1
Pyrene	520	J	28	5.1	ug/Kg	☆	04/03/13 15:12	04/05/13 14:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	71		30 - 130				04/03/13 15:12	04/05/13 14:26	1

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-88767-2
SDG: 68088767-2

Client Sample ID: CV0509W-CS

Lab Sample ID: 680-88767-33

Date Collected: 03/26/13 13:40

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 80.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	29	J	120	25	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Acenaphthylene	17	J	50	6.2	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Anthracene	75		10	5.2	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Benzo[a]anthracene	280		10	4.9	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Benzo[a]pyrene	220	J	13	6.5	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Benzo[b]fluoranthene	380	J	15	7.6	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Benzo[g,h,i]perylene	160		25	5.5	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Benzo[k]fluoranthene	130		10	4.5	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Chrysene	260	J	11	5.6	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Dibenz(a,h)anthracene	50		25	5.1	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Fluoranthene	550		25	5.0	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Fluorene	20	J	25	5.1	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Indeno[1,2,3-cd]pyrene	140		25	8.8	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
1-Methylnaphthalene	34	J	50	5.5	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
2-Methylnaphthalene	32	J	50	8.8	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Naphthalene	44	J	50	5.5	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Phenanthrene	270		10	4.9	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Pyrene	430	J	25	4.6	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	74		30 - 130				04/03/13 15:12	04/05/13 14:44	1

Client Sample ID: CV0509X-CS

Lab Sample ID: 680-88767-34

Date Collected: 03/26/13 13:42

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 71.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	220		140	27	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Acenaphthylene	25	J	55	6.9	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Anthracene	500		12	5.8	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Benzo[a]anthracene	1800		11	5.3	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Benzo[a]pyrene	1400	J	14	7.1	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Benzo[b]fluoranthene	2000	J	17	8.4	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Benzo[g,h,i]perylene	810		27	6.0	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Benzo[k]fluoranthene	1100		11	4.9	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Chrysene	1700	J	12	6.2	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Dibenz(a,h)anthracene	270		27	5.6	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Fluorene	190		27	5.6	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Indeno[1,2,3-cd]pyrene	780		27	9.7	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
1-Methylnaphthalene	52	J	55	6.0	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
2-Methylnaphthalene	110		55	9.7	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Naphthalene	160		55	6.0	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Phenanthrene	2400		11	5.3	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Pyrene	3300	J	27	5.1	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	67		30 - 130				04/03/13 15:12	04/05/13 15:02	1

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-88767-2
SDG: 68088767-2

Client Sample ID: CV0509X-CS

Lab Sample ID: 680-88767-34

Date Collected: 03/26/13 13:42

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 71.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	5300		110	22	ug/Kg	☆	04/03/13 15:12	04/09/13 13:05	4

Client Sample ID: CV0509Y-CS

Lab Sample ID: 680-88767-35

Date Collected: 03/26/13 14:10

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 72.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	550	U	550	110	ug/Kg	☆	04/03/13 15:12	04/05/13 15:21	4
Acenaphthylene	52	J	220	27	ug/Kg	☆	04/03/13 15:12	04/05/13 15:21	4
Anthracene	77		46	23	ug/Kg	☆	04/03/13 15:12	04/05/13 15:21	4
Benzo[a]anthracene	410		44	21	ug/Kg	☆	04/03/13 15:12	04/05/13 15:21	4
Benzo[a]pyrene	350	J	57	29	ug/Kg	☆	04/03/13 15:12	04/05/13 15:21	4
Benzo[b]fluoranthene	530	J	67	33	ug/Kg	☆	04/03/13 15:12	04/05/13 15:21	4
Benzo[g,h,i]perylene	280		110	24	ug/Kg	☆	04/03/13 15:12	04/05/13 15:21	4
Benzo[k]fluoranthene	230		44	20	ug/Kg	☆	04/03/13 15:12	04/05/13 15:21	4
Chrysene	550	J	49	25	ug/Kg	☆	04/03/13 15:12	04/05/13 15:21	4
Dibenz(a,h)anthracene	140		110	22	ug/Kg	☆	04/03/13 15:12	04/05/13 15:21	4
Fluoranthene	460		110	22	ug/Kg	☆	04/03/13 15:12	04/05/13 15:21	4
Fluorene	110	U	110	22	ug/Kg	☆	04/03/13 15:12	04/05/13 15:21	4
Indeno[1,2,3-cd]pyrene	230		110	39	ug/Kg	☆	04/03/13 15:12	04/05/13 15:21	4
1-Methylnaphthalene	300		220	24	ug/Kg	☆	04/03/13 15:12	04/05/13 15:21	4
2-Methylnaphthalene	290		220	39	ug/Kg	☆	04/03/13 15:12	04/05/13 15:21	4
Naphthalene	250		220	24	ug/Kg	☆	04/03/13 15:12	04/05/13 15:21	4
Phenanthrene	490		44	21	ug/Kg	☆	04/03/13 15:12	04/05/13 15:21	4
Pyrene	470	J	110	20	ug/Kg	☆	04/03/13 15:12	04/05/13 15:21	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	94		30 - 130				04/03/13 15:12	04/05/13 15:21	4

Client Sample ID: CV0509Z-CS

Lab Sample ID: 680-88767-36

Date Collected: 03/26/13 14:15

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 66.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	150	U	150	30	ug/Kg	☆	04/03/13 15:12	04/05/13 15:39	1
Acenaphthylene	60	U	60	7.5	ug/Kg	☆	04/03/13 15:12	04/05/13 15:39	1
Anthracene	10	J *	13	6.3	ug/Kg	☆	04/03/13 15:12	04/05/13 15:39	1
Benzo[a]anthracene	69		12	5.8	ug/Kg	☆	04/03/13 15:12	04/05/13 15:39	1
Benzo[a]pyrene	38	J	16	7.8	ug/Kg	☆	04/03/13 15:12	04/05/13 15:39	1
Benzo[b]fluoranthene	60	J	18	9.1	ug/Kg	☆	04/03/13 15:12	04/05/13 15:39	1
Benzo[g,h,i]perylene	26	J	30	6.6	ug/Kg	☆	04/03/13 15:12	04/05/13 15:39	1
Benzo[k]fluoranthene	22		12	5.4	ug/Kg	☆	04/03/13 15:12	04/05/13 15:39	1
Chrysene	67	J	13	6.7	ug/Kg	☆	04/03/13 15:12	04/05/13 15:39	1
Dibenz(a,h)anthracene	12	J	30	6.1	ug/Kg	☆	04/03/13 15:12	04/05/13 15:39	1
Fluoranthene	78		30	6.0	ug/Kg	☆	04/03/13 15:12	04/05/13 15:39	1
Fluorene	8.9	J	30	6.1	ug/Kg	☆	04/03/13 15:12	04/05/13 15:39	1
Indeno[1,2,3-cd]pyrene	22	J	30	11	ug/Kg	☆	04/03/13 15:12	04/05/13 15:39	1
1-Methylnaphthalene	33	J	60	6.6	ug/Kg	☆	04/03/13 15:12	04/05/13 15:39	1

*Flagging error, NL 04-19-13; Laboratory J-flag applies

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-88767-2
SDG: 68088767-2

Client Sample ID: CV0509Z-CS

Lab Sample ID: 680-88767-36

Date Collected: 03/26/13 14:15

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 66.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	46	J	60	11	ug/Kg	☆	04/03/13 15:12	04/05/13 15:39	1
Naphthalene	42	J	60	6.6	ug/Kg	☆	04/03/13 15:12	04/05/13 15:39	1
Phenanthrene	65		12	5.8	ug/Kg	☆	04/03/13 15:12	04/05/13 15:39	1
Pyrene	66	J	30	5.5	ug/Kg	☆	04/03/13 15:12	04/05/13 15:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	67		30 - 130				04/03/13 15:12	04/05/13 15:39	1

Client Sample ID: CV0509AA-CS

Lab Sample ID: 680-88767-37

Date Collected: 03/26/13 14:20

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 76.3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	520	U	520	100	ug/Kg	☆	04/03/13 15:12	04/05/13 15:57	4
Acenaphthylene	36	J	210	26	ug/Kg	☆	04/03/13 15:12	04/05/13 15:57	4
Anthracene	52		44	22	ug/Kg	☆	04/03/13 15:12	04/05/13 15:57	4
Benzo[a]anthracene	220		42	20	ug/Kg	☆	04/03/13 15:12	04/05/13 15:57	4
Benzo[a]pyrene	170	J	54	27	ug/Kg	☆	04/03/13 15:12	04/05/13 15:57	4
Benzo[b]fluoranthene	290	J	64	32	ug/Kg	☆	04/03/13 15:12	04/05/13 15:57	4
Benzo[g,h,i]perylene	160		100	23	ug/Kg	☆	04/03/13 15:12	04/05/13 15:57	4
Benzo[k]fluoranthene	87		42	19	ug/Kg	☆	04/03/13 15:12	04/05/13 15:57	4
Chrysene	280	J	47	24	ug/Kg	☆	04/03/13 15:12	04/05/13 15:57	4
Dibenz(a,h)anthracene	60	J	100	21	ug/Kg	☆	04/03/13 15:12	04/05/13 15:57	4
Fluoranthene	280		100	21	ug/Kg	☆	04/03/13 15:12	04/05/13 15:57	4
Fluorene	100	U	100	21	ug/Kg	☆	04/03/13 15:12	04/05/13 15:57	4
Indeno[1,2,3-cd]pyrene	120		100	37	ug/Kg	☆	04/03/13 15:12	04/05/13 15:57	4
1-Methylnaphthalene	110	J	210	23	ug/Kg	☆	04/03/13 15:12	04/05/13 15:57	4
2-Methylnaphthalene	130	J	210	37	ug/Kg	☆	04/03/13 15:12	04/05/13 15:57	4
Naphthalene	94	J	210	23	ug/Kg	☆	04/03/13 15:12	04/05/13 15:57	4
Phenanthrene	200		42	20	ug/Kg	☆	04/03/13 15:12	04/05/13 15:57	4
Pyrene	240	J	100	19	ug/Kg	☆	04/03/13 15:12	04/05/13 15:57	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	87		30 - 130				04/03/13 15:12	04/05/13 15:57	4

Client Sample ID: CV0509BB-CS

Lab Sample ID: 680-88767-38

Date Collected: 03/26/13 14:35

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 78.4

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	510	U	510	100	ug/Kg	☆	04/03/13 15:12	04/05/13 16:20	4
Acenaphthylene	200	U	200	26	ug/Kg	☆	04/03/13 15:12	04/05/13 16:20	4
Anthracene	78		43	21	ug/Kg	☆	04/03/13 15:12	04/05/13 16:20	4
Benzo[a]anthracene	530		41	20	ug/Kg	☆	04/03/13 15:12	04/05/13 16:20	4
Benzo[a]pyrene	360	J	53	27	ug/Kg	☆	04/03/13 15:12	04/05/13 16:20	4
Benzo[b]fluoranthene	710	J	62	31	ug/Kg	☆	04/03/13 15:12	04/05/13 16:20	4
Benzo[g,h,i]perylene	350		100	22	ug/Kg	☆	04/03/13 15:12	04/05/13 16:20	4
Benzo[k]fluoranthene	230		41	18	ug/Kg	☆	04/03/13 15:12	04/05/13 16:20	4

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-88767-2
SDG: 68088767-2

Client Sample ID: CV0509BB-CS

Lab Sample ID: 680-88767-38

Date Collected: 03/26/13 14:35

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 78.4

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	410	J	46	23	ug/Kg	☆	04/03/13 15:12	04/05/13 16:20	4
Dibenz(a,h)anthracene	110		100	21	ug/Kg	☆	04/03/13 15:12	04/05/13 16:20	4
Fluoranthene	710		100	20	ug/Kg	☆	04/03/13 15:12	04/05/13 16:20	4
Fluorene	24	J	100	21	ug/Kg	☆	04/03/13 15:12	04/05/13 16:20	4
Indeno[1,2,3-cd]pyrene	260		100	36	ug/Kg	☆	04/03/13 15:12	04/05/13 16:20	4
1-Methylnaphthalene	90	J	200	22	ug/Kg	☆	04/03/13 15:12	04/05/13 16:20	4
2-Methylnaphthalene	82	J	200	36	ug/Kg	☆	04/03/13 15:12	04/05/13 16:20	4
Naphthalene	90	J	200	22	ug/Kg	☆	04/03/13 15:12	04/05/13 16:20	4
Phenanthrene	380		41	20	ug/Kg	☆	04/03/13 15:12	04/05/13 16:20	4
Pyrene	580	J	100	19	ug/Kg	☆	04/03/13 15:12	04/05/13 16:20	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	94		30 - 130				04/03/13 15:12	04/05/13 16:20	4

Client Sample ID: CV0509CC-CS

Lab Sample ID: 680-88767-39

Date Collected: 03/26/13 14:46

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 81.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	490	U	490	98	ug/Kg	☆	04/03/13 15:12	04/05/13 16:38	4
Acenaphthylene	200	U	200	25	ug/Kg	☆	04/03/13 15:12	04/05/13 16:38	4
Anthracene	71		41	21	ug/Kg	☆	04/03/13 15:12	04/05/13 16:38	4
Benzo[a]anthracene	410		39	19	ug/Kg	☆	04/03/13 15:12	04/05/13 16:38	4
Benzo[a]pyrene	330	J	51	25	ug/Kg	☆	04/03/13 15:12	04/05/13 16:38	4
Benzo[b]fluoranthene	630	J	60	30	ug/Kg	☆	04/03/13 15:12	04/05/13 16:38	4
Benzo[g,h,i]perylene	320		98	22	ug/Kg	☆	04/03/13 15:12	04/05/13 16:38	4
Benzo[k]fluoranthene	170		39	18	ug/Kg	☆	04/03/13 15:12	04/05/13 16:38	4
Chrysene	440	J	44	22	ug/Kg	☆	04/03/13 15:12	04/05/13 16:38	4
Dibenz(a,h)anthracene	110		98	20	ug/Kg	☆	04/03/13 15:12	04/05/13 16:38	4
Fluoranthene	530		98	20	ug/Kg	☆	04/03/13 15:12	04/05/13 16:38	4
Fluorene	26	J	98	20	ug/Kg	☆	04/03/13 15:12	04/05/13 16:38	4
Indeno[1,2,3-cd]pyrene	250		98	35	ug/Kg	☆	04/03/13 15:12	04/05/13 16:38	4
1-Methylnaphthalene	98	J	200	22	ug/Kg	☆	04/03/13 15:12	04/05/13 16:38	4
2-Methylnaphthalene	59	J	200	35	ug/Kg	☆	04/03/13 15:12	04/05/13 16:38	4
Naphthalene	93	J	200	22	ug/Kg	☆	04/03/13 15:12	04/05/13 16:38	4
Phenanthrene	340		39	19	ug/Kg	☆	04/03/13 15:12	04/05/13 16:38	4
Pyrene	490	J	98	18	ug/Kg	☆	04/03/13 15:12	04/05/13 16:38	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	96		30 - 130				04/03/13 15:12	04/05/13 16:38	4

Client Sample ID: CV0509CC-CSD

Lab Sample ID: 680-88767-40

Date Collected: 03/26/13 14:48

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 81.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	490	U	490	98	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Acenaphthylene	200	U	200	25	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-88767-2
SDG: 68088767-2

Client Sample ID: CV0509CC-CSD

Lab Sample ID: 680-88767-40

Date Collected: 03/26/13 14:48

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 81.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	57		41	21	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Benzo[a]anthracene	380		39	19	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Benzo[a]pyrene	340	J	51	26	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Benzo[b]fluoranthene	550	J	60	30	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Benzo[g,h,i]perylene	350		98	22	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Benzo[k]fluoranthene	220		39	18	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Chrysene	350	J	44	22	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Dibenz(a,h)anthracene	120		98	20	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Fluoranthene	520		98	20	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Fluorene	30	J	98	20	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Indeno[1,2,3-cd]pyrene	220		98	35	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
1-Methylnaphthalene	54	J	200	22	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
2-Methylnaphthalene	120	J	200	35	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Naphthalene	71	J	200	22	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Phenanthrene	300		39	19	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Pyrene	450	J	98	18	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Surrogate	%Recovery	Qualifier	Limits						
o-Terphenyl	81		30 - 130						
							Prepared	Analyzed	Dil Fac
							04/03/13 15:12	04/05/13 16:57	4

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)